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February 20, 2004

James S. Parker, Patent Attorney

INFORMATION DISCLOSURE STATEMENT  
Examining Group 1753  
Patent Application  
Docket No. UF-322XC1  
Serial No. 10/632,598

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1753  
Applicant(s) : Nigel D. Shepherd, Rolf E. Hummel  
Serial No. : 10/632,598  
Filed : August 1, 2003  
Conf. No. : 4324  
For : Method of Spark-Processing Silicon and Resulting Materials

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 AND 1.98

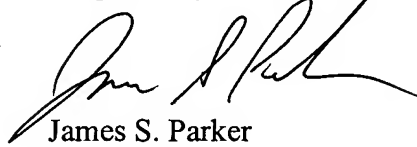
Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO/SB/08 with initials or other appropriate marks. If any additional fee is required, or to credit any overpayment, please use Deposit Account No. 19-0065.

Applicants respectfully assert that the substantive provisions of 37 C.F.R. §§ 1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,



James S. Parker

Patent Attorney

Registration No. 40,119

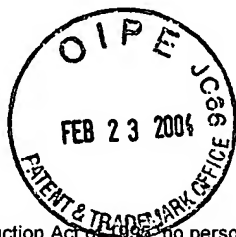
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Gainesville, FL 32606-6669

JSP/ba

Attachments: Form PTO/SB/08 (2 pages)  
References listed thereon (7)



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/632,598	
			Filing Date	August 1, 2003	
			First Named Inventor	Nigel D. Shepherd	
			Art Unit	1753	
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	UF-322XC1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US- 6,113,746	09-05-2002	Hack <i>et al.</i>	All
	U2	US- 6,264,801 B1	07-24-2001	Hack <i>et al.</i>	All
	U3	US- 6,469,605 B2	10-22-2002	Hack <i>et al.</i>	All
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	F1					
	F2					
	F3					
	F4					
	F5					
	F6					
	F7					

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08B (08-03)

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		Application Number	10/632,598		
		Filing Date	August 1, 2003		
		First Named Inventor	Nigel D. Shepherd		
		Group Art Unit	1753		
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	UF-322XC1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R1	SHEPHERD, N., <i>et al.</i> "Improved Electroluminescence of Spark-Processed Silicon by an Aerosol-Assisted Technique" <i>Phys. Stat. Sol.</i> , May 9, 2003, pp 222-227, Vol. 197, No. 1, Wiley-VCH, Weinheim.	
	R2	STORA, M.E. <i>et al.</i> "Variation of Spark-Processing Parameters on the Photoluminescence Properties of Spark-Processed Silicon" <i>Journal of Physics and Chemistry of Solids</i> , Sept. 2002, pp. 1655-1668, Vol. 63, Elsevier Science Ltd.	
	R3	YUAN, J. <i>et al.</i> "Electroluminescence from Spark-Processed Silicon" <i>Applied Phys. Lett.</i> , November 27, 1995., pp. 3328-3330, Vol. 67, Is. 22, American Institute of Physics.	
	R4	YUAN, J. <i>et al.</i> "Electroluminescence and Nature of Lightly Spark-Processed Silicon" <i>Semiconductor Science Technology</i> , June 1998, Vol. 13, no. 6, pp 615-621, IOP Publishing Ltd., UK.	
	R5		
	R6		
	R7		
	R8		
	R9		
	R10		
	R11		
	R12		
	R13		

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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